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Citation:

Title of invention: THERMAL TRANSFER SHEET AND METHOD

Abstract:

PURPOSE: To obtain a thermal transfer sheet capable of forming an image of high density at a high speed by incorporating a releasable silicone resin in a dye layer.

CONSTITUTION: As the silicone resin used in a dye layer, for example, a modified silicone resin selected from epoxy modified, long chain alkyl modified, alkyl modified, carboxyl modified, higher alcohol modified, fluoro-fatty acid modified, fatty acid modified, alkyl aralkyl polyether modified, epoxy/polyether modified and polyether modified silicone resins is desirable and the addition amount thereof is pref. 1-20 pts.wt. per 100 pts.wt. of a dye forming resin. When the addition amount is too little, release effect is insufficient and, when the addition amount is too much, no pref. result is obtained, because dye transfer properties and film strength are lowered or a problem of the discoloration or preservability of a dye is generated. At the time of thermal transfer, a thermal transfer sheet wherein the dye layer is formed to the surface of a base film and an image receiving sheet wherein a dye receiving layer is provided to the surface of

a base film are superposed so that the dye layer of the thermal transfer sheet is opposed to the receiving layer of the image receiving sheet and heated imagewise from the rear of the thermal transfer sheet.
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